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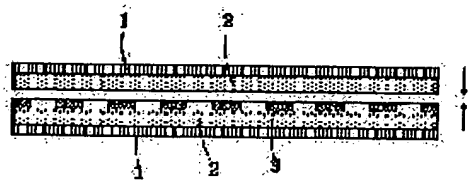
4) ELECTRODE PLATE FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND ANUFACTURE THEREOF

7)Abstract:

?ROBLEM TO BE SOLVED: To provide an electrode plate with eparator, capable of preventing the coming off of an active material, harply reacting with the overheating of a battery to prevent fire or xplosion of the battery by previously sticking a separator to an electrode)late different from the conventional method in which a separator film is nterposed between positive and negative plates.



SOLUTION: An electrode plate is prepared in such a way that an lectrode- coating solution, comprising an active material and a binder is ıpplied to a current collector 1, dried to obtain an electrode plate (2: an ıctive material layer), and a porous separator 3 is formed on the lectrode plate in a coating process, laminating process, or transferring)rocess. As the separator material, thermoplastic resin and wax are isted, but wax is preferable, because the wax sharply react with heat to elt. The melting point of these materials is about 40-160°C. The eparator is manufactured from a material melting by heat in a film-forming process or a pore-forming)rocess.

GAL STATUS

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.Date of request for examination]

Date of sending the examiner's decision of rejection]

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Date of final disposal for application]

Patent number]

Date of registration]

Number of appeal against examiner's decision of ejection]

Date of requesting appeal against examiner's ecision of rejection]

Date of extinction of right]

Title: **JP10050348A2: ELECTRODE PLATE FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND MANUFACTURE THEREOF**

Country: **JP** Japan
Kind: **A**

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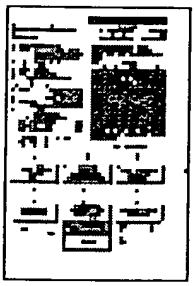

Applicant/Assignee: **DAINIPPON PRINTING CO LTD**

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Priority Number(s): Aug. 6, 1996 **JP19961996221880**

Abstract:

Problem to be solved: To provide an electrode plate with separator, capable of preventing the coming off of an active material, sharply reacting with the overheating of a battery to prevent fire or explosion of the battery by previously sticking a separator to an electrode plate different from the conventional method in which a separator film is interposed between positive and negative plates.
Solution: An electrode plate is prepared in such a way that an electrode- coating solution, comprising an active material and a binder is applied to a current collector 1, dried to obtain an electrode plate (2: an active material layer), and a porous separator 3 is formed on the electrode plate in a coating process, laminating process, or transferring process. As the separator material, thermoplastic resin and wax are listed, but wax is preferable, because the wax sharply react with heat to melt. The melting point of these materials is about 40-160°C. The separator is manufactured from a material melting by heat in a film-forming process or a pore-forming process.

Family: Show known family members

Other Abstract Info: none

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Foreign References: No patents reference this one

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